

WHAT IS CLAIMED IS:

1. A clip manipulating device comprising:
a flexible insertion tube capable of being
inserted into a cavity of a living body;

5 a flexible wire having pliability and movably
passed through the insertion tube;

a junction provided on the distal end portion of
the wire, detachably coupled with a clip located at the
distal end portion of the insertion tube, and pliable
10 enough to follow up deformation of the insertion tube.

2. A clip manipulating device according to
claim 1, wherein the junction has a looped portion
formed by turning the wire, the looped being coupled
with the clip.

15 3. A clip manipulating device according to
claim 1, wherein the wire has a turn portion coupled to
the clip and a weak portion formed of at least parts of
doubled wire portions on two opposite sides and
intertwined so as to loosen when the wire is hauled
20 with a tractive effort great enough to leave the clip.

4. A clip manipulating device according to
claim 1, wherein the junction has a weak portion which
breaks when the wire is hauled with a tractive effort
great enough to leave the clip.

25 5. A clip manipulating device comprising:
a flexible insertion tube capable of being
inserted into a cavity of a living body;

a flexible wire having pliability and movably passed through the insertion tube;

a clip located at the distal end portion of the insertion tube and having a hook; and

5 a junction provided on the distal end portion of the wire, detachably coupled with the hook of the clip, and pliable enough to follow up deformation of the insertion tube.

6. A clip manipulating device according to
10 claim 5, wherein the clip is provided with a clip retainer pipe which covers the proximal end portion of the clip when the wire is hauled, whereby the clip is manipulated, the retainer pipe covering the hook when the hook is deformed so that the hook is disengaged
15 from the wire.

7. A clip manipulating device according to claim 1, which comprises a clip setting portion which is provided on the distal end of the insertion tube detachably stores the clip, and controls the clip in
20 open-close action and plastic deformation as the wire is manipulated.

8. A clip manipulating device according to claim 7, wherein the clip setting portion has a slit through which the clip gets away after the clip is
25 plastically deformed.

9. A clip manipulating device comprising:
flexible insertion means capable of being inserted

into a cavity of a living body; and

elongate means which is passed through the
insertion means for advance and retreat, can move with
respect to the insertion means so as to be detachably
5 coupled to a clip located at the distal end portion of
the insertion means, is not less pliable than enough to
follow up deformation of the insertion means, and
effects grasping operation and disengaging operation of
the clip.

10 10. A clip manipulating device according to
claim 9, wherein the elongate means has a flexible
wire.

11. A clip manipulating device comprising:
a flexible insertion tube capable of being
15 inserted into a cavity of a living body;

a manipulating member which is passed through the
insertion tube for advance and retreat and moves with
respect to the insertion tube, thereby effecting
grasping operation and disengaging operation of a clip
20 located at the distal end portion of the insertion
tube; and

a flexible connecting member having one end and
the other end, the one end being coupled to the distal
end of the manipulating member and the other end
25 detachably coupled to the clip, and pliable enough to
follow up deformation of the insertion tube.

12. A clip manipulating device according to

claim 11, wherein the connecting member has a flexible wire and a junction provided on the distal end portion of the wire, detachably coupled to the clip, and pliable enough to follow up deformation of the insertion tube.

13. A clip manipulating device according to claim 12, wherein the junction is formed of the wire and has a weak portion at which the wire breaks when the manipulating member is hauled with a tractive effort great enough to leave the clip.

14. A clip manipulating device according to claim 12, wherein the wire has a turn portion coupled to the clip and a weak portion formed of at least parts of doubled wire portions on two opposite sides and intertwined so as to loosen when the manipulating member is hauled.

15. A clip manipulating device comprising:
a flexible insertion tube capable of being inserted into a cavity of a living body;

a manipulating member which is passed through the insertion tube for movement and is moved with respect to the insertion tube, thereby effecting gasping operation and disengaging operation of a clip located at the distal end portion of the insertion means; and

a coupling member which is provided on the distal end of the manipulating member, is coupled to a wire extending from the clip and pliable enough to follow up

deformation of the insertion tube, effects grasping operation of the clip, and can leave the clip when the manipulating member is hauled with a tractive effort great enough to leave the clip.

5 16. A clip manipulating device according to claim 1, which comprises a flexible tube sheath penetrated by the insertion tube for advance and retreat, the tube sheath being capable of storing the clip located at the distal end portion of the insertion
10 tube.

 17. A clip manipulating device according to claim 16, wherein that part of the insertion tube which is situated behind the clip and exposed from the distal end of the tube sheath when the clip projects from the
15 tube sheath forms a curvedly raised portion.